

Directions: For the following problems, use the formula $2 \times \pi \times R = C$ or $2 \times \pi \times (1/2 D) = C$ to find the answers.

D = Diameter, R = Radius, C = Circumference, # = the number of equally spaced marks on the circle.

(Please keep in mind that to calculate the dial caliper setting, you must divide the circumference by the number the given in the question.)

1. $D = 17 \frac{5}{8}$

a. $R =$

b. $C =$

c. $7 =$

What is the dial caliper setting?

2. $D = 47 \frac{9}{16}$

d. $R =$

e. $C =$

f. $41 =$

What is the dial caliper setting?

3. $D = 29 \frac{15}{32}$

g. $R =$

h. $C =$

i. $4 =$

What is the dial caliper setting?

4. $D = 29 \frac{13}{16}$

j. $R =$

k. $C =$

l. $15 =$

What is the dial caliper setting?

5. $D = 9 \frac{13}{32}$

m. $R =$

n. $C =$

o. $43 =$

What is the dial caliper setting?

6. $D = 9 \frac{1}{32}$

p. $R =$

q. $C =$

r. $3 =$

What is the dial caliper setting?

7. $D = 12 \frac{7}{32}$

s. $R =$

t. $C =$

u. $4 =$

What is the dial caliper setting?

8. $D = 33 \frac{1}{8}$

v. $R =$

w. $C =$

x. $19 =$

What is the dial caliper setting?

9. $D = 10 \frac{15}{16}$

y. $R =$

z. $C =$

aa. $9 =$

What is the dial caliper setting?

10. $D = 78 \frac{3}{16}$

bb. $R =$

cc. $C =$

dd. $28 =$

What is the dial caliper setting?

College and/or Career Ready Bell-ringer

- 1. What tests can be administered in order for a student to meet the College Ready Benchmarks?**
- 2. What are the benchmark scores that are required for these three tests?**
- 3. What are the two components in order for a student to be considered Career Ready?**
- 4. Give an example of each component.**
- 5. What are the requirements in order for a student with MSD to be considered Career Ready?**

College/Career Readiness

College Ready:
Must meet benchmarks
on one of the
following:

Career Ready: Must meet
benchmarks for one requirement
in Career Academic area and
must meet one requirement in
Career Technical area

Bonus: College AND Career Ready
must meet at least one from each area

College Ready

Career Ready
Academic

Career Ready
Technical

College Ready Academic

Career Ready
Technical

ACT

ENGLISH : 18
MATH: 19
READING: 20

Armed Services
Vocational
Aptitude Battery
(ASVAB)

Kentucky
Occupational
Skills Standards
Assessment
(KOSSA)

ACT or COMPASS
or KYOTE

KOSSA

COMPASS

ENGLISH (WRITING): 74
MATH: 36
READING: 85

AFQT: 50

ACT Work Keys
(Applied Math,
Locating
information,
and Reading
for Information)

MULTIPLE CHOICE: 70
OPEN RESPONSE: 75

Industry
Certificates

Industry
Certificates

KYOTE

ENGLISH (WRITING): 6
MATH: 22
READING: 20

SILVER OR GOLD
CERTIFICATE

NOTES: (1) By meeting the
College Ready Academic
definition, the student does
not have to take the
additional tests of ASVAB or
Work Keys for the bonus
area.
(2) For accountability
purposes, the bonus shall not
allow the readiness
percentage
to exceed 100 percent.

CAREER PATHWAY	REQUIRED COURSES	OPTIONAL COURSES	CERTIFICATE
Family & Consumer Sciences Culinary	At least 2 credits from: Foods & Nutrition Culinary I Culinary II Culinary Co-op	May have 1 credit from: Lifeskills (0.5 credit) Cooking Methods (0.5 credit) Business Management Computer Applications	Servsafe Or KOSSA: Culinary & Food Services
Family & Consumer Sciences Early Childhood Education	At least 2 credits from: Lifeskills/Parenting Child Development A & B Child Development Services I Child Development Services II (Co-op)	May have 1 credit from: Business Management	CCCC or KOSSA: Early Childhood Education
Architecture & Construction Masonry	At least 2 credits from: Intro to Masonry Intermediate Masonry Advanced Masonry	May have 1 credit from: Stone Fireplace Construction Masonry Floors/Steps	NCCER: Masonry Level 1 Or KOSSA: Construction
Architecture & Construction Welding	At least 3 credits from: Basic Welding Welding I Welding II Welding III		DOT: Welding Or AWS Or KOSSA: Manufacturing
Business & Administration Administrative Support	At least 2 credits from: Computer Applications Accounting I Accounting II (Co-op)	May have 1 credit from: Business Management Business Principles Financial Literacy (0.5 credit)	IC3 Or KOSSA: Admin. Support
Business & Administration Business Multimedia	3 Business credits from: Multimedia-Newspaper or Yearbook Advanced Multimedia-Newspaper or Yearbook (may only count once) Computer Applications Web Page Design		IC3
Health Science Allied Health	At least 2 credits from: Intro to Health Science Medical Terminology Emergency Procedures Anatomy & Physiology	May have 1 credit from: AP Biology Child Development	KOSSA: Allied Health

CAREER PATHWAY	REQUIRED COURSES	OPTIONAL COURSES	CERTIFICATE
Health Science Pre-Nursing	3 Credits from: Intro to Health Science Medical Terminology Emergency Procedures Medicaid Nurse Aide	May have 1 credit from: Anatomy & Physiology AP Biology Child Development	CNA Or KOSSA: Allied Health
Agriculture & Natural Resources Horticulture	At least 2 credits from: Principles of Agriculture Agriscience (0.5 credit) Plant & Land Science Crop Production (0.5 credit) Landscape Design (0.5 credit) Greenhouse	May have 1 credit from: Ag Co-op Class Greenhouse II Business Management	KOSSA: Horticulture
Agriculture & Natural Resources Animal Science	At least 2 credits from: Principles of Agriculture Agriscience (0.5 credit) Animal Science Small Animal Tech (0.5 credit) Adv. Animal Science	May have 1 credit from: Ag Co-op Class Business Management	KOSSA: Production Livestock
Agriculture & Natural Resources Ag Power	At least 2 credits from: Principles of Agriculture Agriscience (0.5 credit) Ag Construction Skills Small Power Equipment (0.5 credit) Adv. Ag Construction Skills	May have 1 credit from: Ag Co-op Class Business Management	KOSSA: Ag Power Structured Tech Systems
Arts, A/V Technology & Communications Web Page Design	At least 2 credits from: Game Design (0.5 credit) Flash (0.5 credit) Multimedia Publishing Web Page Development	May have 1 credit from: Computer Applications Video Production Website Design II	Photoshop, Flash, Dreamweaver, IC3 Or KOSSA: Communications
Business & Administration General Marketing	At least 2 credits from: Principles of Marketing Advanced Marketing Advertising Travel & Tourism Marketing (Co-op)	May have 1 credit from: Sports Marketing (0.5 credit) Accounting I Business Management Principles of Business Computer Applications	ASK Or KOSSA: Admin.Support* -Marketing

In order to graduate Career Ready, a student must meet one of the career-ready academic benchmarks, must meet one of the career-ready technical benchmarks and must be preparatory in the career area. Preparatory=3 Credits in one area! Career-Ready Academic Benchmarks: WorkKeys—Silver Certificate or Armed Services Vocational Aptitude Battery (ASVAB)—50 Armed Forces Qualifying Test (AFQT) Career-Ready Technical Benchmarks: KOSSA—70 on multiple choice and 75 on constructed response/performance-based scenario or earn an industry certificate. Industry Certificates: certification based on industry standards.

College and/or Career Ready for All

Shelia Baugh
Director of Specialized Instructional
Programs
Simpson County Schools



College and/or Career Ready Bell-ringer

1. What tests can be administered in order for a student to meet the College Ready Benchmarks?
2. What are the benchmark scores that are required for these three tests?
3. What are the two components in order for a student to be considered Career Ready?
4. Give an example of each component.
5. What are the requirements in order for a student with MSD to be considered Career Ready?

Where we were/Where we are

- ▶ In the 2010-11 school year Franklin Simpson High School was ranked 143rd for College and/or Career Ready.
- ▶ In the 2012-13 school year Franklin Simpson High School was ranked 14th for College and/or Career Ready.



Franklin Simpson High School



Fall 2013 College and Career Readiness 85.6% with Bonus Points

What did we do?

How do you make such gains in such a short amount of time?
How can this be done?
Is this possible for ALL students?



- › We had to learn the rules of the game.
- › We had to communicate the game to the students, parents and community stakeholders.
- › We had to look at each individual student's data and career path of their choice.
- › We had to assist each student in working their game plan.

What did we do continued

- › Guidance Counselors had to make sure that all students had a career pathway and schedule the students into classes within that pathway.
- › The Simpson County Board of Education set a policy that all students are required to be College or Career Ready in order to graduate beginning the 2013-2014 school year (unless the ARC determined that the student had made a good faith effort).


College/Career Readiness				
College Ready: Must meet benchmarks on one of the following:	Career Ready: Must meet benchmarks for one requirement in Career Academic area and must meet one requirement in Career Technical area		Bonus: College AND Career Ready must meet at least one from each area	
College Ready	Career Ready Academic	Career Ready Technical	College Ready Academic	Career Ready Technical
ACT ENGLISH: 18 MATH: 19 READING: 20	Armed Services Vocational Aptitude Battery (ASVAB) AFQT: 50	Kentucky Occupational Skills Standards Assessment (KOSSA) MULTIPLE CHOICE 75 OPEN RESPONSE 75	ACT or COMPASS or KYOTE	KOSSA
COMPASS ENGLISH (WRITING): 74 MATH: 36 READING: 85	ACT Work Keys (Applied Math, Locating Information, and Reading for Information) Score of 75 in each area SILVER CERTIFICATE Score of 75 in each area GOLD CERTIFICATE	Industry Certificates Alternate Assessment Transition Attainment II Passes English/Reading: 15, Math: 15	NOTES: (1) By meeting the College Ready Academic definition, the student does not have to take the additional tests of ASVAB or Work Keys for the bonus area. (2) For accountability purposes, the bonus shall not allow the readiness percentage to exceed 100 percent.	
KYOTE ENGLISH (WRITING): 6 MATH: 22 READING: 20				Industry Certificates

College Ready:
Must meet benchmarks on one of the following:

▶ ACT-
English: 18
Math: 19
Reading: 20

▶ COMPASS
English (Writing): 74
Math: 36
Reading: 85


OR



OR

College Ready- option 3

▶ KYOTE
English (Writing): 6
Math: 22
Reading: 20

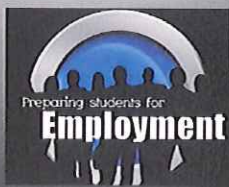


College/Career Ready Resources

- › E-PREP-online ACT prep tutorial on missed items
- › WIN-online Compass
- › Academic Time daily based upon student need
- › ACT-like Common Assessment questions within assessments that are timed
- › Sample test for Compass
- › Work Keys Practice Test by ACT
- › Workplace Skills-Applied Mathematics by McGraw Hill
ISBN: 978007657481-0
- › Workplace Skills-Locating Information by McGraw Hill
ISBN: 97800765748-7
- › Workplace Skills-Reading for Information by McGraw Hill
ISBN: 978007655574-1

Career Ready-Academic Side

- › Armed Services Vocational Aptitude Battery (ASVAB)
AFQT=50 (highest possible score=99)
- › ACT Work Keys
Applied Math=75-silver, 79-gold
Locating Information=75-silver, 79-gold
Reading for Information=75-silver, 79-gold
- › ACT Work Keys may be given in pencil and paper format or on line depending on student need.



Career Ready Technical Side

- › Kentucky Occupational Skills Standards Assessment (KOSSA)
- › Multiple Choice: 70
- › Open Response: 75
- › Industry Certificates

OR



Industry Certificates Available in Simpson County Schools

- › Welding-Level 1
- › Masonry-Level 1
- › Construction-Level 1
- › State Registered Nursing Assistant (SRNA)
- › Nursing-Allied Health
- › Culinary-ServSafe
- › Child Development Associate
- › Commonwealth Child Care Credential (CCCC)
- › Assessment of Skills and Knowledge for Business-(ASK)-Marketing
- › Adobe Certified Associate-Dreamweaver, Flash, Photoshop
- › Ag Power
- › Livestock
- › Internet & Computing Core Certification (IC-3)
- › Photo
- › Equipment & Engine- 2 Stroke/4 Stroke
- › Ag Business
- › Horticulture




Contact: Brigitte Kilburn @ Franklin Simpson HS

Testing Limitations

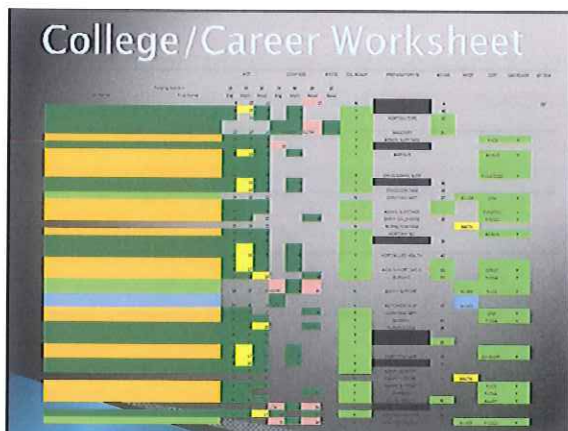
- › ACT-can be given as many times as school/district want to pay for, typical gains 3 times unless intervention occurs
- › COMPASS-may only be given twice
- › KYOTE-can be given once a trimester after interventions have occurred
- › WORK KEYS-may be given as many times as school/district wants to pay for
- › ASVAB-typically given once or twice if you can talk a recruiter into re-administering test

Alternate Assessment

- › Transition Attainment Record
- › English/Reading-19
- › Math-16



Dare to Reach
for College and Career
Ready Goals
for ALL Students



Work Keys Plan of Attack

- › Applied Math
- › Locating Information
- › Reading for Information
- › Give Pretest to determine individual student need in order to maximize
- › Chunk information so that students can practice on test and then takes test before moving to new section



CCR Interventions occur during Academic Time for 30 minutes daily for Seniors in small groups with special education teachers for Sped. students

Industry Certification- Plan of Attack

- › Find out requirements of each test.
- › Find Flash Cards for test (i.e. welding)
- › Examine math skills needed for test and develop a review packet of math skills necessary for test
- › Have Study Buddies that will be taking the same test drill each other during Academic Time when not working on Work Keys

Current CCR District Data- January, 2014

Franklin Simpson High School

- ▶ 70% Seniors-College or Career Ready
- ▶ 25% Seniors-College AND Career Ready

Learning Opportunities Center

64% Seniors-College or Career Ready

54 students to go!!!

Current Special Ed. Data for 13-14

- ▶ 12 Senior Students with Disabilities -ONE GOAL
- ▶ 1 Senior Career Ready- Welding and Work Keys (working on Compass now)
- ▶ 3 Seniors Commonwealth Child Care Credentials and working on Work Keys (1 Alt. Assmt.)
- ▶ 3 Seniors working on Masonry and Work Keys
- ▶ 3 Seniors working on Welding and Work Keys
- ▶ 2 Seniors working on IC-3 and Work Keys

21st Century
Readiness for
Every Child



Current Work-keys Status

Applied Math	Locating Info	Reading for Info
Required 4	4	4
MATH	4	5
MATH	4	4
4	4	4
MATH	INFO	4
MATH	INFO	4
4	INFO	4
4	4	4
MATH	INFO	4
MATH	INFO	READ
4	4	4
MATH	INFO	4

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